



*BLOCKCHAIN IN SUPPLY CHAINS: LOOKING BEYOND THE HYPE*

EAST ARCADE, ONE MAIN STREET, CAMBRIDGE, MA

OCTOBER 25, 2017

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8:00 *Registration & Continental Breakfast*

8:30 ***Welcome and Introductions***

Jim Rice  
Deputy Director  
MIT Center for Transportation & Logistics

8:45 ***Blockchain Technology Fundamentals and Application***

*What is the genesis of blockchain technology, and what distinguishes it from other databases? How should the technology be used – what applications are not appropriate for blockchains? How is the technology likely to evolve over the next one to three years?*

Introduction by Michael Casey  
Senior Advisor Blockchain Opportunities, Digital Currency Initiative  
MIT Media Lab

9:40 ***Supply Chain Applications of Blockchain***

*What supply chain applications offer the most potential, what challenges lie ahead, and how do companies evaluate the technology's potential?*

Introduction by Ken Cottrill  
Global Communications  
MIT Center for Transportation & Logistics

***Case Example: Blockchain to Manage Chargebacks***

Wenzheng Chong, Global Fulfillment and Logistics Manager – Microsoft  
Yorke Rhodes III, Global Blockchain Business Strategist – Microsoft

10:30 *Break and informal discussions*

10:45 ***Smart Contracts: What Are They and How Might They Be Applied?***

*Smart contracts are digital equivalents of conventional contracts that are housed on blockchains. What are the advantages of these self-executing contracts, how can they be applied in a supply chain environment, and what challenges stand in the way of their adoption?*

Introduction by Houman Shadab  
Professor of Law and Co-Director of the Center for Business and Financial Law  
New York Law School; Co-founder, Clause.io

11:40 ***Using Blockchain to Digitize and Facilitate Global Trade Flows***

*Blockchain's distributed ledger technology can digitize trade documentation, speed up the exchange of information between trading entities, and improve shipment tracking. Current development projects, challenges such as how to standardize information flows and include all relevant parties, and lessons learned.*

Introduction by Dr. Erez Agmoni  
Head of Supply Chain Development, Americas Region  
Damco

12:30 *Lunch and presentation*

***Smart Contracts***

*Given the anticipated benefits that may come from the use of smart contracts, efforts are under way to test the concept in the global shipping domain. Leaders from the New York shipping Exchange will offer a proposal to carriers and shippers to use smart contracts when making arrangements for ocean freight movements.*

Introduction by Gordon Downes  
Founder and CEO  
New York Shipping Exchange

1:15 ***Smart Contract Proof of Concept Proposal***

2:15 ***IoT and the Future of Blockchain in Supply Chain Management***

*How will blockchain applications in supply chain management harness the fast-growing potential of Internet of Things sensor networks?*

Introduction by Brian Tessier  
VP of Innovation, Global Supply Chain Transformation  
Schneider Electric

3:15 *Break and informal discussion*

3:30 ***Harnessing Blockchain to Improve Transparency, Traceability and Visibility in the Pharma Supply Chain***

*In response to stricter track and trace requirements imposed by the Drug Supply Chain Security Act, the pharmaceutical industry is developing innovative product serialization solutions – including blockchain-based methods for monitoring the flow of drugs in supply chains. The challenges that the pharma business is addressing offer some important lessons for other industries.*

Introduction by Tom McHugh  
Senior Strategist, Supply Chain & Technology  
CVS Health

4:30 *Wrap-up*

5:00 *Adjourn*